

## MPO [E1E7I] - 168Er

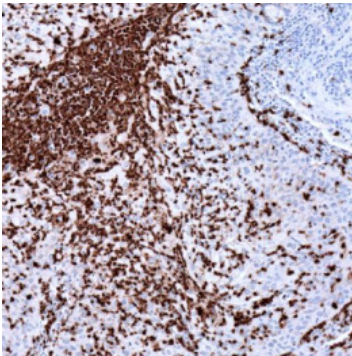
**Catalog:** 716801

**Clone:** E1E7I

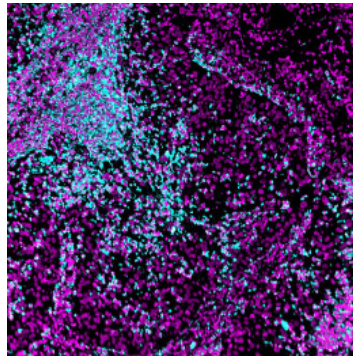
**Isotype:** Rabbit IgG

**Reactivity:** Human\*

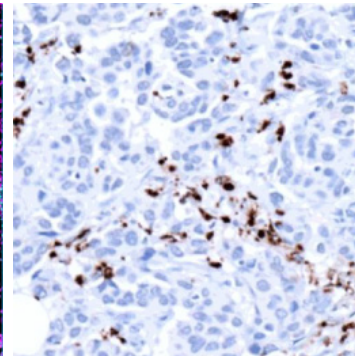
**Application:** MIBI-FFPE

**Storage:** Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C


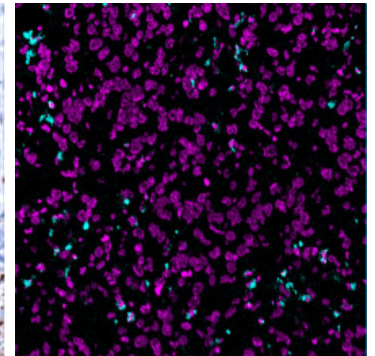
**IHC:** MPO staining of FFPE human lung squamous cell carcinoma



**MIBI:** MPO staining (cyan) of FFPE human lung squamous cell carcinoma, counterstained with dsDNA (magenta)



**IHC:** MPO staining of neutrophils in FFPE human urothelial carcinoma



**MIBI:** MPO staining (cyan) of FFPE human urothelial carcinoma, counterstained with dsDNA (magenta)

### Background

Myeloperoxidase (MPO) is a heme-containing enzyme most abundantly secreted by neutrophils. MPO is a pro-inflammatory biomarker of a number of diseases including rheumatoid arthritis, cardiovascular diseases, neurodegenerative diseases, and cancer. MPO expression is also used in the diagnostic workup of acute myeloid leukemia and myeloid sarcoma.

### Validation

Each lot of conjugated antibody is quality control tested by staining tissue following the MIBI Staining Protocol optimized for the applicable tissue format with subsequent MIBIScope analysis using the appropriate positive and negative tissue field of views. These results are pathologist verified.

### Recommended Usage

Human FFPE: 1:100 dilution. For optimal results, the antibody should be titrated for each desired application.

### References

Amjad A. Khan et al. Myeloperoxidase as an Active Disease Biomarker: Recent Biochemical and Pathological Perspectives. *Med Sci (Basel)* . 2018 Jun; **6**(2): 33.

\* Conjugate tested on human tissue.